

23. An animal feed composition according to claim 22, wherein the anti-bacterial fatty acid component is a high lauric acid natural oil, or a derivative thereof having high lauric acid content.

24. An animal feed composition according to claim 22, wherein lauric acid in the high lauric acid oil, or derivative thereof, comprises 0.5 % to 10 % of the animal feed.

25. An animal feed composition according to claim 22, wherein the combined amount of at least one antibiotic and at least one anti-bacterial fatty acid component in the animal feed is sufficient to promote the health of the animal as compared to the feed composition without the added antibiotic and without the added anti-bacterial fatty acid component.

26. An animal feed composition according to claim 22, wherein the combined amount of at least one antibiotic and at least one anti-bacterial fatty acid component in the animal feed is sufficient to enhance growth of the animal as compared to the feed composition without the added antibiotic and without the added anti-bacterial fatty acid component.

27. An animal feed composition according to claim 26, wherein antibiotics in the animal feed comprise less than 50% of an optimal antibiotic supplement.

28. An animal feed composition according to claim 27, which provides at least 85% of the optimal feed efficiency achievable for the diet and antibiotic supplement.

29. An animal feed composition according to claim 26, wherein antibiotics in the animal feed comprise less than 50% of a maximal antibiotic supplement.

30. An animal feed composition according to claim 29, which provides at least 85% of the maximal feed efficiency achievable for the diet and antibiotic supplement.

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31. An animal feed composition according to claim 22, wherein antibiotics in the animal feed comprise less than 50% of an optimal antibiotic supplement for controlling *Salmonella typhimurium*.

32. An animal feed composition according to claim 31, which provides at least 85% of the optimal *Salmonella typhimurium* control achievable for the diet and antibiotic supplement.

33. An animal feed composition according to claim 22, wherein antibiotics in the animal feed comprise less than 50% of an allowable antibiotic supplement for controlling *Salmonella typhimurium*.

34. An animal feed composition according to claim 33, which provides at least 85% of the maximum *Salmonella typhimurium* control achievable for the diet and antibiotic supplement.

Alt
35. An animal feed composition according to claim 22, wherein the feed composition is feed for chickens, turkeys, lambs or veal calves produced for human consumption or a supplement to be added to feed for chickens, turkeys, lambs or veal calves produced for human consumption.

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36. An animal feed composition comprising an anti-bacterial fatty acid component in an amount sufficient to promote the health of said animal, wherein said anti-bacterial fatty acid component is incorporated in said feed in a manner which does not protect said feed composition from microbial spoilage.

37. An animal feed composition according to claim 36, wherein the anti-bacterial fatty acid component is a high lauric acid natural oil, or a derivative thereof having high lauric acid content.

38. An animal feed composition according to claim 37, wherein lauric acid in the high lauric acid oil, or derivative thereof, comprises 2 % to 10 % of the animal feed.

39. An animal feed composition according to claim 36, wherein the animal feed composition is essentially free of other antibiotics.

40. An animal feed composition according to claim 36, additionally comprising at least one antibiotic wherein the combined amount of at least one antibiotic and at least one anti-bacterial fatty acid component in the animal feed is sufficient to enhance growth of the animal as compared to the feed composition without the added antibiotic and without the added anti-bacterial fatty acid component.

41. An animal feed composition according to claim 40, wherein antibiotics in the animal feed comprise less than 50% of an optimal antibiotic supplement.

42. An animal feed composition according to claim 40, wherein antibiotics in the animal feed comprise less than 50% of a maximal antibiotic supplement.

43. An animal feed composition according to claim 40, wherein antibiotics in the animal feed comprise less than 50% of an optimal antibiotic supplement for controlling *Salmonella typhimurium*.

44. An animal feed composition according to claim 40, wherein antibiotics in the animal feed comprise less than 50% of an allowable antibiotic supplement for controlling *Salmonella typhimurium*.

45. An animal feed composition comprising an anti-bacterial fatty acid component which promotes the health of said animal, wherein the amount of said anti-bacterial fatty acid component falls within the range of 2% to 7% by weight of said animal feed composition.

46. An animal feed composition according to claim 45, wherein the anti-bacterial fatty acid component is a high lauric acid natural oil, or a derivative thereof having high lauric acid content.

47. An animal feed composition according to claim 45, wherein the animal feed composition is essentially free of other antibiotics.

48. An animal feed composition according to claim 45, additionally comprising at least one antibiotic.

49. An animal feed composition according to claim 48, wherein the combined amount of at least one antibiotic and at least one anti-bacterial fatty acid component in the animal feed is sufficient to enhance growth of the animal as compared to the feed composition without the added antibiotic and without the added anti-bacterial fatty acid component.

50. An animal feed composition according to claim 45, wherein the feed composition is feed for chickens, turkeys, lambs or veal calves produced for human consumption.

REMARKS

Claims 10-18 and 22-50 are now pending in the application.

New claims 22-35 are directed to feed compositions (including supplements) which comprise an anti-bacterial fatty acid component and at least one antibiotic. The dependent claims recite features relating to growth promotion and control of *Salmonella typhimurium*. Support for these claims is found on page 4, lines 18-21, and page 4, line 30 through page 6, line 27.

New claims 36-44 are directed to animal feed compositions with an anti-bacterial fatty acid component that promotes the health of the animal but does not protect the feed from spoilage. Embodiments which inherently have this characteristic are the feed supplements, referred to on page 2, lines 5-6 of the specification, which can be fed to the animal separately from the primary feed.